

DOE Industrial Technologies Program

E-Bulletin

A Monthly Update from the U.S. Department of Energy Industrial Technologies Program

February 2004

IN THIS ISSUE:

Headlines

**New Products and
Resources from ITP**

**Other Related EERE
Activities**

Training

Project Opportunities

To [Subscribe](#) or [Unsubscribe](#) to the ITP E-Bulletin, please contact:

Rachel.Yetter@ee.doe.gov

For additional information or to order materials, go to: Industrial Technologies Program
<http://www.eere.energy.gov/industry>
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Visit DOE Office of Energy Efficiency and Renewable Energy Web site at:
<http://www.eere.energy.gov/>

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Welcome to this edition of the *E-Bulletin*—your connection to news and resources from DOE's Industrial Technologies Program (ITP). Each monthly edition brings you the latest industrial news highlights, and announcements about new tools and resources, training, events, and project opportunities.

Read the *E-Bulletin* and tap into opportunities to improve industrial energy efficiency today...and tomorrow!

HEADLINES

ITP Annual Reports Now Available

ITP has prepared 12 annual reports highlighting 2003 accomplishments, current status, and challenges and opportunities. The reports also describe specific industry research portfolios, and how companies can get involved with ITP. Link to full reports:

[Aluminum](#)
[Chemical](#)
[Combustion](#)
[Forest Products](#)

[Glass](#)
[Materials for the Future](#)
[Metal Casting](#)
[Mining](#)

[Sensors and Automation](#)
[Steel](#)
[Supporting Industries](#)
[Technology Delivery](#)

ITP Corporate Peer Review: March 9-10, 2004

Plan to attend the National Academies' Corporate Peer Review of ITP to be held March 9-10, 2004 in Arlington, VA. Industry input is vital to help define and evaluate ITP's objectives and strategies for the coming years. Visit the web site at www.itp2004.com for more details.

International Forum Spotlights Sensor Advances

ITP's [Sensors and Automation](#) recently showcased innovative energy-saving sensor technologies and systems at the International Forum on Process Analytical Chemistry (IFPAC). Presentations featured ITP-sponsored advances in process analytical chemistry that will impact the chemical, petroleum, and pharmaceutical industries.

Monolith Loop Reactor (MLR): New Catalysis Technology for the Chemical Industry

The MLR is an [integrated monolith catalyst reactor system](#) developed by [Air Products and Chemicals, Inc.](#), with ITP sponsorship. This technology provides improvements in energy efficiency, processing costs, hygiene, post-processing options, control of catalyst contact, and productivity.

NEW PRODUCTS AND RESOURCES FROM ITP

ITP offers technical publications, software tools, and other resources to help address your company's industrial energy needs. Here are the latest products from ITP:

New Property Database Improves Cast Iron Design

With a reliable, comprehensive source of design properties, production of cast iron can be more efficient. Now, a [database of strain-life fatigue properties](#) and supporting data for a wide range of structural cast irons is available on CD-ROM. This new tool was developed with support from ITP and is available for purchase through the [American Foundry Society](#).



U.S. Department of Energy

Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

NEW PRODUCTS AND RESOURCES (continued)

New Interface to the IAC Database Provides Easy Answers

The recently upgraded [Industrial Assessment Centers' \(IAC\) Database](#) allows plant personnel to locate plants similar to theirs and learn about the most frequently suggested improvements for increasing energy efficiency and productivity. The database includes more than 83,000 recommendations from more than 11,000 assessments, searchable by industry, key word, and recommendation type.

Case Studies

Full Plant-Wide Assessment Report

[An Assessment of Energy, Waste, and Productivity Improvements for North Star Steel](#) in Wilton, Iowa. This plant-wide assessment suggested projects that could save the plant \$2.6 million annually, with annual electricity savings of 39 million kWh. In addition, these findings may be shared at six other North Star Steel facilities for potential multiplied savings.

Steel – Plant-Wide Assessment

[Weirton Steel: Mill Identifies \\$1.4 Million in Annual Savings Following Plant-Wide Energy-Efficiency Assessment](#) in Weirton, West Virginia. This project identified six projects to reduce use of fossil fuel, electricity, and water, and will yield annual savings of \$1.27 million.

Energy Matters

ITP's quarterly newsletter [Energy Matters](#) and its on-line complement, [Energy Matters Extra](#), are industry's resource for energy-efficiency opportunities, technical issues, new products and services, and events. View the [Fall 2003](#) issue and watch for the Winter 2004 issue in February 2004.

Visit the [ITP Web site](#) for more *BestPractices* technical publications, software tools, and case studies to help you improve efficiency, productivity, and the bottom line.

OTHER RELATED EERE ACTIVITIES

In addition to resources developed through ITP, you may be interested in other related developments throughout DOE's Office of Energy Efficiency and Renewable Energy. [Find out more.](#)

TRAINING

Boost your knowledge about managing industrial energy systems. ITP offers technical training in industrial energy systems, which is offered throughout the year and around the country. Here are upcoming training events for February 2004:

Feb. 19, 2004	Process Heating Assessment (End User)	Tempe, AZ
Feb. 20, 2004	Steam System (End User)	Cleveland, OH
Feb. 25, 2004	Pumping System Assessment (End User)	Loudon, TN
Feb. 24-26, 2004	Steam System Specialist Qualification	Blythewood, SC

View the [ITP calendar](#) for upcoming workshops in your area. Learn more about [BestPractices training sessions](#) and system [software tools](#).

PROJECT OPPORTUNITIES

ITP awards cost-shared funding for R&D and plant assessment projects through a competitive merit review process. Open solicitations are:

Grants.gov: Government Unveils "One-Stop" Shop for Grants

The Federal government recently unveiled a Web site that provides access to Federal grant opportunities. Your organization can electronically locate and apply for competitive grant opportunities from all Federal grant-making agencies. Visit www.grants.gov for more information.

State Energy Program (SEP) Special Projects

DOE is seeking applications for a variety of Special Projects under the State Energy Program (SEP). This master funding opportunity will provide approximately \$16 million (EERE-wide, of which ITP will support up to \$2 million) during FY 2004 to implement specific DOE and EERE deployment activities and initiatives. [Learn more.](#)

To learn more about project opportunities visit [ITP's solicitation page](#).

Related Web Links

[Industrial Technologies Program](#)
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[DOE Office of Energy Efficiency and Renewable Energy](#)
[Climate VISION](#) [Energy Savers](#)